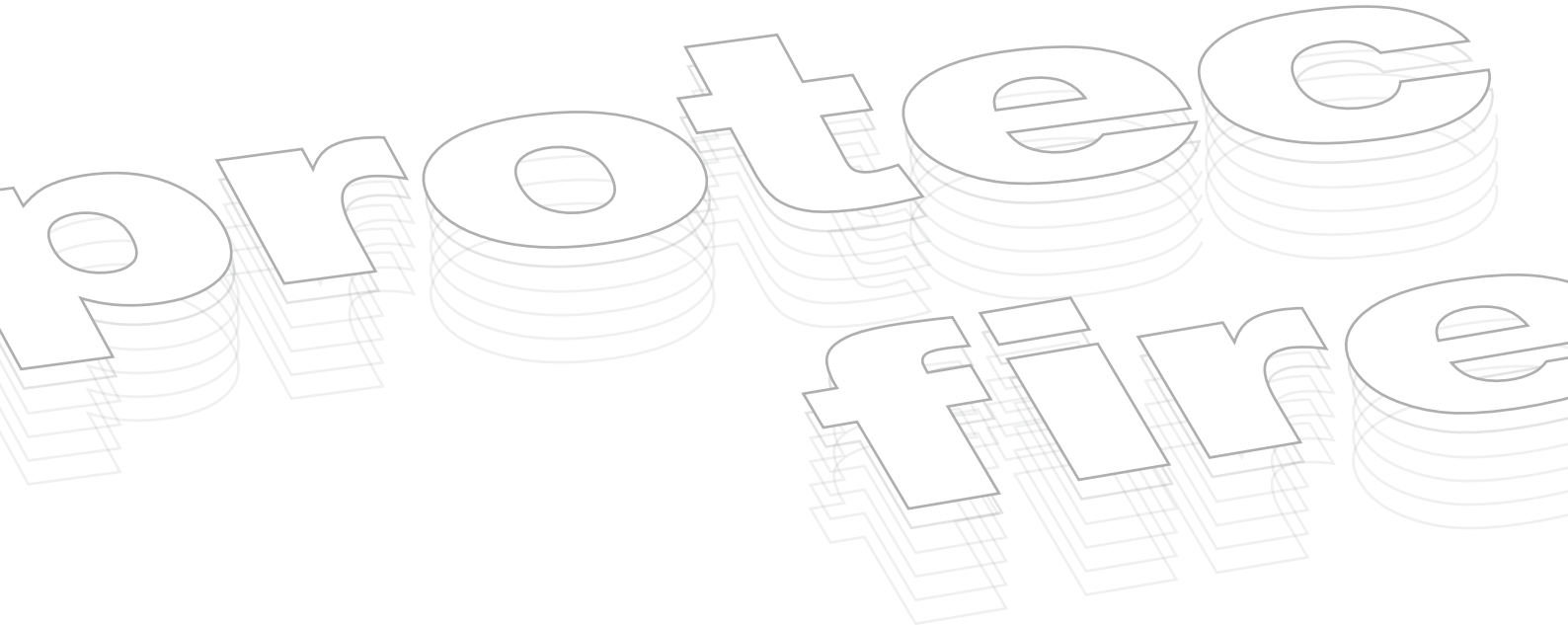
protecfire
German Engineering

HIGH QUALITY
GERMAN ENGINEERING

普泰法尔(廊坊)
消防科技有限公司

Protecfire (Langfang)
Fire Systems Technology Co., Ltd.

企业手册
Enterprise Manual





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About Us
关于我们

Our Story
我们的故事

2001

由Roberto Solis先生在德国吕贝克创立

Was founded by Roberto Solis in Lübeck, Germany.

2019

普泰法尔（廊坊）消防科技有限公司
在中国廊坊成立

Protecfire (Langfang) Fire Systems Technology Co., Ltd.
was established in Langfang, China.



Protecfire GmbH于2001年12月由Roberto Solis先生在德国吕贝克创立，他自1986年以来一直专注于工业自动灭火系统的研究。Protecfire始于德国消防要求更为严苛的地下矿山行业。我们的产品具备防爆安全、高质量、纯机械式、无需外接电源、管道无压力、无毒环保的特点。随着我们产品应用更为广泛，已经从地下矿业逐步拓展到露天矿山、工程机械、公共汽车、风力发电、商业厨房、新能源车辆、储能等众多领域和行业。通过公司的不断创新和研发，Protecfire拥有多项专利，包括极速感应技术、精细喷雾技术、内置橡胶气囊挤压灭火技术、自洁式厨房灭火喷头等多项行业领先技术。

为了在快速增长的亚太地区战略性地拓展我们的业务，Protecfire (Asia Pacific) Ltd. 于2016年成立，总部位于新加坡，作为我们的地区中心。2019年普泰法尔（廊坊）消防科技有限公司在中国廊坊成立了，作为德国本土之外的第一家工厂，致力于推动和开展Raptor系列产品的研发和生产，我们拥有完整的研发、生产、质量、销售、售后团队。2022年为了推动全球业务发展，Protecfire在新加坡成立了全资子公司Protecfire Engineering Pte. Ltd.，作为全球销售中心，全面负责Raptor系列的销售及服务工作。

在Protecfire，我们的承诺是：为了全人类的安全需求坚持不懈地为客户提供优质产品和服务。

Protecfire GmbH was founded in Lübeck Germany by Mr. Roberto Solis, who has been focusing on the research of industrial automatic fire suppression systems since 1986. Originating in the challenging environment of underground coal mines in Germany, our products stand out for their explosion-proof, high quality and completely mechanical, not requiring electricity, absence of pipeline pressure, non-hazardous and environmentally friendly. Protecfire has expanded its product range, catering not only to underground mining sectors, but also to diverse industries, including open-pit mining, construction machinery, bus, wind turbine, commercial kitchen, new energy vehicle, Energy Storage Systems and etc.Protecfire steadfast commitment to innovation and continuous research and development has resulted in a multitude of patented technologies. These include ultra-fast heat detection via glass bulbs, dust suppression fine spray technology, liquid agent expulsion via embedded rubber balloon technology, self-cleaning kitchen nozzles and many other innovative and cutting-edge technologies.

To strategically develop our business within the fast-growing Asia Pacific region, Protecfire (Asia Pacific) Ltd. was established in 2016 and headquartered in Singapore, operates as our regional hub. As a first company-owned factory outside Germany, Protecfire (Langfang) Fire Systems Technology Co., Ltd. was established in 2019, located in Langfang China, facilitates the research & development and production of our Raptor series products. In 2022, to drive the global business development, Protecfire established a wholly-owned subsidiary Protecfire Engineering Pte. Ltd. in Singapore, as our global sales center, responsible for the sales and service of our Raptor series products.

At Protecfire, our commitment lies in persistently serving our global customers with unwavering dedication to quality products and the pursuit of safety.

企业定位 | Enterprise Positioning

源自德国，我们是一家采用最先进的革命性灭火技术并以客户为中心，高可靠性的自动灭火系统制造商。

Originated from Germany, we are a customer-centric manufacturer of premium quality automatic fire suppression systems with latest revolutionary technology.

Development History

发展历程

Company

公司篇

2001 Protecfire GmbH was founded in lübeck Germany.
Protecfire GmbH 成立于德国吕贝克。

2002 Protecfire's beginning was at the most hazardous and hostile environment:the underground coal mine in Germany.
Protecfire业务始于消防要求最为严苛的德国地下矿业。

2011 Protecfire has expanded its product rang.
Protecfire 不断扩大产品应用领域。



2015 Expanded to South America.
拓展至南美洲。

2016 Protecfire (Asia Pacific) Ltd. was established and is headquartered in Singapore.
Protecfire(Asia Pacific)Ltd. 成立, 总部位于新加坡。

2019 Protecfire expanded to China: established Protecfire (Langfang) Fire Systems Technology Co., Ltd.
Protecfire 业务在中国拓展：成立普泰法尔(廊坊)消防科技有限公司。

2022 Global sales center was established in Singapore:
Protecfire Engineering Pte. Ltd.
全球销售中心在新加坡成立: Protecfire Engineering Pte. Ltd.。

Product
产品篇

2001 The K4 Nozzle 初代K4喷头
The SPY 初代SPY

2002 The manual actuator 初代手动触发器

2003 firespy

2010 detexline 1.0

2017 detexline 4MC TiboRex ABSOLUTE

2020 RPY SPY86 Manual actuator 手动触发器

2021 RAPTOR detex

2022 detexAr T-REX

2023 firetubeX e~SPY

2024 RAPTOR nova RAPTOR powder RAPTOR lite powder RAPTOR micro-nova RAPTOR Portable Extinguisher lite

2025 RAPTOR 50e2 RAPTOR 2.1 detex

Global Presence

全球布局

The world of Protecfire




Norway
Finland
Saint Petersburg
Denmark
Sweden
Moscow
Novosibirsk
Britain
Poland
Kazakhstan
Germany
Czech Republic
Austria
Beijing
Dalian
Korea
Portugal
Spain
Turkey
Baotou
Japan
Italy
Taiyuan
Morocco
Shanghai
Saudi Arabia
Shenzhen
Taiwan
Egypt
UAE
Vietnam
HongKong
Thailand
Philippines
Malaysia
Singapore
Indonesia
Botswana
Zimbabwe
Perth
South Africa
Melbourne
New Zealand

LAYOUT

CORE ADVANTAGES
核心优势









Our Team
我们的团队

简单•正直•创新•极致
Simplicity• Integrity • Innovation • Excellence

集德国创新、新加坡国际战略管理和中国制造业经验于一体。

A protect combination of German innovation, Singapore international strategic management and China manufacturing experience.



Eng. Roberto Solis

Protecfire 创始人及公司CTO
资深消防专家，自1986年专注于工业自动灭火和灭火系统领域。
Chief Technology Officer
Senior fire experts have specialized in industrial automatic fire suppression and fire suppression systems since 1986.



Mike Goh

首席执行官，董事长
CEO & Managing Director



张文喜 Zhang Wen Xi

执行董事，总经理
Executive Director & General Manager

Honour and Certifications

资质荣誉

专利 Patents

50+










企业荣誉 Honour



国家级科技型中小企业
National Award for High Scientific Technology Enterprise



河北省专精特新企业
Hebei Province Award for Specialized and Sophisticated SMEs



河北省创新型中小企业
Hebei Province Award for Innovation



高新技术企业
Hebei Province Award for Advance Technology Enterprise

认证 Certifications

01- 管理认证体系 Management System Certification



CQC企业质量管理体系认证
CQC Quality Management System Certification



IQNET质量管理体系认证
IQNET Quality Management System Certification



VDS质量管理体系认证
VDS Quality Management System Certification



16949汽车行业质量管理体系认证
IATF 16949 Quality Management System Certification

02- 行业认证 Industry Certification

R107 认证
European bus fire suppression system certification

AS 5062 认证
Australian Mining Certification

俄罗斯防爆认证
TP TC 012/2011 Explosion-proof certification

智利质量研究和测量认证
Chile Quality Research and Measurement Certification

德国煤矿行业认证
German Coal Mining Industry Certification

VDS 认证
German Professional Safety Association

德国消防认证中心
German Fire Safety Certification Center

德国TUV 认证
Germany TUV Certification

智利铜业露天采矿灭火测试认证
Chile Copper Open-Pit Mining Fire Extinguishing Test Certification

俄罗斯技术监督管理局工业安全证书
Russian Technical Supervision Agency Industrial Safety Certificate

KBA 认证
German Ministry of Transport KBA Certification

CE 认证
CE Certification

天津消防研究所消防检测
Tianjin Fire Research Institute Fire Inspection



Customers
服务客户

国际主机厂家
Partners - International OEM

服务 50+ 国际主机厂头部企业

Serve **50+** major international OEM.

国内主机厂家
Partners - China OEM

服务 100+ 国内主机厂头部企业

Serve **100+** major China OEM.

Kalmar · LIEBHERR · XCMG · Machinery 兴旺达

SCHARF · CATERPILLAR · 中国中车 CRRC · SANY

GHH GROUP SOLID AS A ROCK · PAUS ...the people who care · FAMBITION 青岛中鸿重型机械股份有限公司 QINGDAO FAMBITION HEAVY MACHINERY CO.,LTD. · HL

SANDVIK · ENERCON ENERGY FOR THE WORLD · ZOOMLION 中联重科 · 中国铁建

SCANIA · KHS · TZ · SHANTUI 山推工程机械股份有限公司 SHANTUI CONSTRUCTION MACHINERY CO.,LTD.

MAN · Halton · SDLG 山东临工 · SINOPEC

....



终端客户

Global End-user Customers

为世界各国企业提供定制化智能灭火服务

Customized automatic fire suppression systems for enterprises around the world.

Irizar | 国家电投 SPIC | VALE

ChinaCoal | 山东能源集团 SHANDONG ENERGY GROUP | NMMC

中国华电 CHINA HUADIAN | 河北港口集团 HEBEI PORT GROUP | 中国华能集团 CHINA HUANENG GROUP

国家能源集团 CHN ENERGY | CODELCO | КУЗБАССРАЗРЕЗУГОЛЬ

POLYUS | 紫金矿业 ZIJIN MINING | 山东黄金集团有限公司 SHANDONG GOLD GROUP CO.,LTD.

Corporate Culture

企业文化

通过革命性的技术为每一个人的安全而设计、制造和创新消防产品。
成为世界上最以客户为中心，最环保的企业。
努力成为一个让每个人都感到自豪的公司。

To engineer and build innovative products through revolutionary technologies for the safety of everyone.
To be world's most customer-centric,environmentally friendly and endeavour to be a company everyone is proud to be with.

我们的文化 Our culture

01 团队合作 Teamwork

02 客户服务 Customer Service

03 信誉 Reputation

04 自豪 Pride

05 创新 Innovation

06 尊重 Respect

全球会议
Global Summit



国际团队交流
International team communication



中国代理商大会
China Distributor Conference



Color Run
Color Run



员工晋升
Employee Promotion



Show Room

展厅文化

我们的专业展厅展示了我们先进的灭火系统、产品和技术。
我们诚邀所有商业合作伙伴和客户前来参观。

Our extensive showroom displays our revolutionary fire suppression systems, products and technologies.
we welcome all business partners and customers to visit us.







protecfire
German Engineering

展厅
Show Room







Show Room



Revolutionary Automatic Fire Suppression Systems

革命性自动灭火系统

8

大产品优势

8 core advantages of product

无电

No Electricity

系统中
不需要外接电源

No external power supply is required in the system.

无压

No Pressure

灭火罐由不锈钢制成，在待机状态下管线及药剂部分无压力

No pressure in the system and pipeline.

极速反应

Ultra-Fast

超灵敏
自启动

Ultra sensitive activation.



不锈钢制造

Stainless Steel

强度高，坚固耐用

High strength and durability.

低维护

Low-Maintenance

安装快捷，维护工作只需目视化检查

Fast installation, and ease of maintenance.

结构坚固

Robust Construction

能够在极端条件下工作

Able to operate under extreme conditions.

纯机械自动式

Fully Mechanical

整个系统是独立的不依赖于外部控制

The entire system is independent of any electrical supply.

无毒环保

Environmentally friendly

可生物降解，对人类和动物都安全

Biodegradable, and sate for human and animals.



detexline 4MC

RAPTOR detex

RAPTOR detex ice-master

RAPTOR 5062

RAPTOR powder

RAPTOR lite powder

RAPTOR nova

detexAr

矿山移动设备
自动灭火系统

Off-road Vehicles

detexline 4MC

非道路车辆 / 采矿 / 建筑 / 隧道盾构 / 重型机械
Off-road Vehicle / Mining / Construction / Tunnel Shield / Heavy Machinery

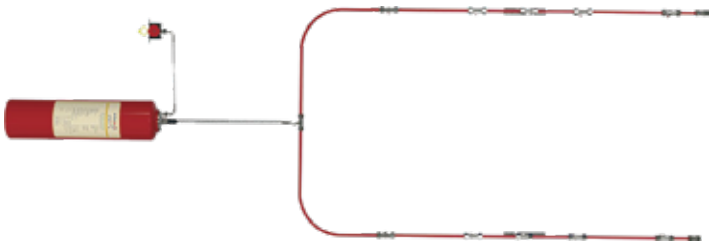
主要特点 Main Charateristics

工作温度： -50℃ / -30℃ 至 +80℃

Operating temperature: -50℃ / -30℃ to +80℃

5年-无需更换核心部件

No core parts needed to be replaced for 5 years.
——Structure is stable and durable.



RAPTOR detex

工程机械 / 农业设备 / 建筑设备 / 急救车辆 / 矿山机械 / 公共运输车辆
Engineering Machinery / Argricultural Machinery / Construction Machinery
Emergency Vehicle / Mining Machinery / Public Transport Vehicle

3L/4L/6L/10L/20L/30L/50L

主要特点 Main Charateristics

工作温度： -30 ℃ 至 +80℃

Operating temperature: -30℃ to +80℃

5年-无需更换核心部件

No core parts needed to be replaced for 5 years.
——Structure is stable and durable.



RAPTOR powder

非道路车辆 / 采矿 / 建筑 / 隧道盾构 / 重型机械
Off-road Vehicle / Mining / Construction / Tunnel Shield / Heavy Machinery

6kg/15kg/30kg/60kg

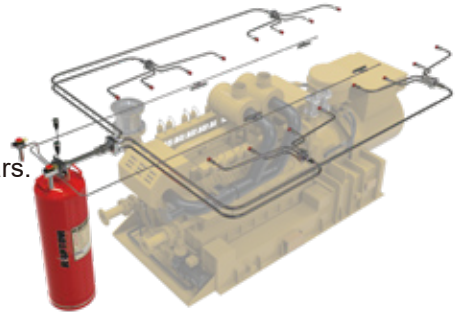
主要特点 Main Charateristics

工作温度： -55 ℃ 至 +80℃

Operating temperature: -55℃ to +80℃

5年-无需更换核心部件

No core parts needed to be replaced for 5 years.
——Structure is stable and durable.



RAPTOR lite powder

采矿设备 / 公交车 / 重型卡车 / 隧道车辆 / 建筑设备 / 林业设备/ 铁路车辆 / 起重机 / 游艇和船舶 / 农业设备
Mining equipment / Buses / Heavy trucks / Tunnel vehicles / Construction equipment / Forestry equipment / Railway vehicles / Cranes / Yachts and ships / Agricultural equipment

6kg/10kg/20kg

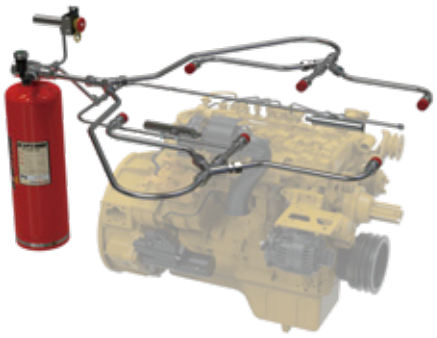
主要特点 Main Charateristics

工作温度： -30 ℃ 至 +80℃

Operating temperature: -30℃ to +80℃

5年-无需更换核心部件

No core parts needed to be replaced for 5 years.
——Structure is stable and durable.



RAPTOR detex

采矿设备/ 建筑设备 / 林业设备 / 隧道车辆 / 铁路车辆
Mining equipment / Construction equipment / Forestry equipment / Tunnel vehicle / Railroad vehicle

3L/4L/6L/10L/20L/30L/50L

ice-master



主要特点 Main Charateristics

工作温度： -50 ℃ 至 +80℃

Operating temperature: -50℃ to +80℃

5年-无需更换核心部件

No core parts needed to be replaced for 5 years.
——Structure is stable and durable.

RAPTOR 5062

采矿设备/ 林业设备 / 农业设备 / 运输设备
Mining equipment /Forestry equipment / Agricultural equipment / Transportation equipment

10L/20L/30L/50L

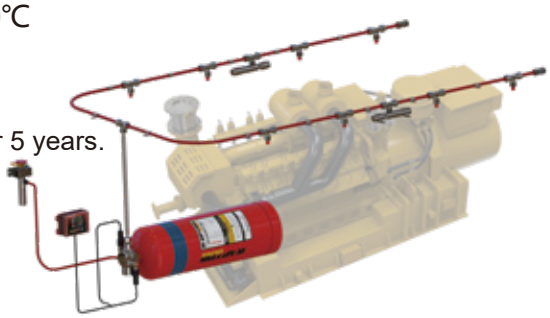
主要特点 Main Charateristics

工作温度： -30 ℃ 至 +80℃

Operating temperature: -30℃ to +80℃

5年-无需更换核心部件

No core parts needed to be replaced for 5 years.
——Structure is stable and durable.





detexAr

电气柜 / 服务器机房 / 电气设备
Electrical Cabinet / Server Electrical / Electrical Equipment

10L/20L/50L



主要特点 Main Charateristics

工作温度： -50 ℃ 至 +65℃
Operating temperature: -50℃ to +65℃

5年-无需更换核心部件
No core parts needed to be replaced for 5 years.
——Structure is stable and durable.

RAPTOR nova

适用于所有电气柜
Applicable to all electrical cabinets.

3L/4L/6L/10L/20L

FK-5-1-12



主要特点 Main Charateristics

工作温度： -30℃ 至 +80℃
Operating temperature: -30℃ to +80℃

10年-无需更换核心部件
No core parts needed to be replaced for 10 years.
——Structure is stable and durable.



detexline 4V

RAPTOR detex

公交设备
自动灭火系统

Public Transportatian

detexline 4V

公交车 / 卡车 / 公路车辆 / 铁路车辆
Bus / Truck / On-road Vehicles / Railway Vehicles

主要特点 Main Charateristics

工作温度： -50℃ / -30℃ 至 +80℃

Operating temperature: -50℃ / -30℃ to +80℃

10年-无需更换核心部件

No core parts needed to be replaced for 10 years.
——Structure is stable and durable.



RAPTOR detex

公交车 / 卡车 / 公路车辆 / 铁路车辆
Bus / Truck / On-road Vehicles / Railway Vehicles

3L/4L/6L/10L/20L/30L/50L

主要特点 Main Charateristics

工作温度： -30 ℃ 至 +80℃

Operating temperature: -30℃ to +80℃

5年-无需更换核心部件

No core parts needed to be replaced for 5 years.
——Structure is stable and durable.





detexline electric

detexAr

RAPTOR nova

RAPTOR micro-nova

电气设备
自动灭火系统

Electrical Equipment

detexline electric

发电机 / 电气柜 / 变压器 / 风机
Generator / Electrical Cabinet / Transformer / Wind Turbine

4L/7L/14L/24L

主要特点 Main Charateristics

工作温度： -50℃ / -30℃ 至 +80℃

Operating temperature: -50℃ / -30℃ to +80℃

10年-无需更换核心部件

No core parts needed to be replaced for 10 years.
——Structure is stable and durable.



RAPTOR nova

适用于所有电气柜
Applicable to all electrical cabinets.

3L/4L/6L/10L/20L

主要特点 Main Charateristics



工作温度： -30℃ 至 +80℃

Operating temperature: -30℃ to +80℃

10年-无需更换核心部件

No core parts needed to be replaced for 10 years.
——Structure is stable and durable.

RAPTOR micro-nova

适用于所有电气柜
Applicable to all electrical cabinets.

FK-5-1-12

主要特点 Main Charateristics

工作温度： -30 ℃ 至 +70 ℃
Operating temperature: -30℃ to +70℃

5年-无需更换核心部件
No core parts needed to be replaced for 5 years.
——Structure is stable and durable.



micro-nova P1.0



micro-nova P0.5

detexAr

电气柜 / 服务器机房 / 电气设备
Electrical Cabinet / Server Electrical / Electrical Equipment

10L/20L/50L

主要特点 Main Charateristics

工作温度： -50 ℃ 至 +65℃
Operating temperature: -50℃ to +65℃

5年-无需更换核心部件
No core parts needed to be replaced for 5 years.
——Structure is stable and durable.





firespy kitchen

RAPTOR kitchen

firetubeX

厨房设备
自动灭火系统

Kitchen Equipment

firespy kitchen

10L/20L/50L

主要特点 Main Charateristics

可集成到工业厨房烟道、厨房等

工作表面喷射距离1.83米

Can be integrated into industrial kitchen flue, kitchens, etc.
Working surface spray distance 1.83m.

10年-无需更换核心部件

No core parts needed to be replaced for 10 years.
——Structure is stable and durable.



RAPTOR kitchen

3L/4L/6L/10L/20L/30L/50L

主要特点 Main Charateristics

工作温度： -30 ℃ 至 +80℃

Operating temperature: -30℃ to +80℃

10年-无需更换核心部件

No core parts needed to be replaced for 10 years.
——Structure is stable and durable.



firetubeX

主要特点 Main Charateristics

专为油脂火灾设计自动灭火装置，适用于家庭厨房/可移动房屋/房车/船只。

An automatically activated fire suppression system specifically engineered for grease fires is appropriate for use in home kitchens, mobile homes, recreational vehicles, and boats.







RAPTOR detex

RAPTOR nova

detexAir

RAPTOR micro-nova

港口设备
自动灭火系统

Port Equipment

RAPTOR detex

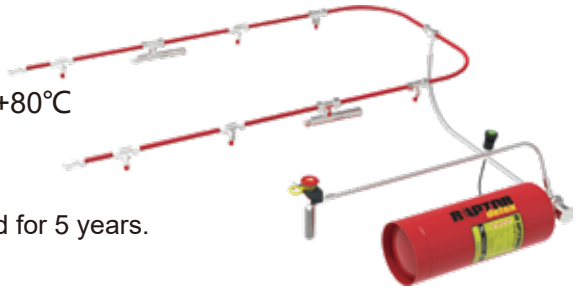
工程机械 / 农业设备 / 建筑设备 / 急救车辆 / 矿山机械 / 公共运输车辆
Engineering Machinery / Argricultural Machinery / Construction Machinery
Emergency Vehicle / Mining Machinery / Public Transport Vehicle

3L/4L/6L/10L/20L/30L/50L

主要特点 Main Charateristics

工作温度： -30 ℃ 至 +80℃

Operating temperature: -30℃ to +80℃



5年-无需更换核心部件

No core parts needed to be replaced for 5 years.
——Structure is stable and durable.

RAPTOR LOP nova

适用于所有电气柜
Applicable to all electrical cabinets.

3L/4L/6L/10L/20L

FK-5-1-12

主要特点

工作温度： -30℃ 至 +80℃

Operating temperature: -30℃ to +80℃



10年-无需更换核心部件

No core parts needed to be replaced for 10 years.
——Structure is stable and durable.

detexAr

电气柜 / 服务器机房 / 电气设备
Electrical Cabinet / Server Electrical / Electrical Equipment

10L/20L/50L

主要特点



工作温度： -50 ℃ 至 +65℃
Operating temperature: -50℃ to +65℃

5年-无需更换核心部件
No core parts needed to be replaced for 5 years.
——Structure is stable and durable.

RAPTOR micro-nova

适用于所有电气柜
Applicable to all electrical cabinets.

FK-5-1-12

主要特点 Main Charateristics

工作温度： -30 ℃ 至 +70 ℃
Operating temperature: -30℃ to +70℃

5年-无需更换核心部件
No core parts needed to be replaced for 5 years.
——Structure is stable and durable.



micro-nova P1.0



micro-nova P0.5



detexline 4MC

detexAn2

军工设备
自动灭火系统

Military Equipment

detexline4MC

非道路车辆 / 采矿 / 建筑 / 隧道盾构 / 重型机械
Off-road Vehicle / Mining / Construction / Tunnel Shield / Heavy Machinery

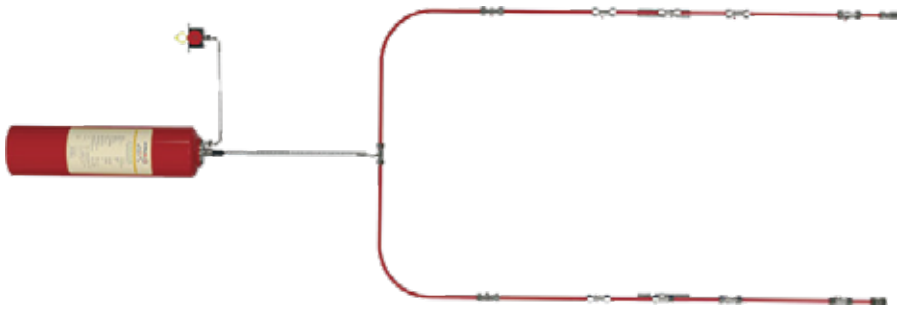
主要特点 Main Charateristics

工作温度： -50℃ / -30℃ 至 +80℃

Operating temperature: -50℃ / -30℃ to +80℃

5年-无需更换核心部件

No core parts needed to be replaced for 5 years.
——Structure is stable and durable.



detexAn2

数控机床 / 激光设备 / 特种设备 / 风力涡轮机 / 军事应用 / 工业
CNC / Laser machines / Special Equipment / Wind Turbines / Military Applications / Industry



主要特点 Main Charateristics

工作温度： -60℃ 至 +80℃

Operating temperature: -60℃ to +80℃

惰性气体：氩气氮气混合
适合保护2m³以内的小型空间

Inert gas：Argon Gas + Nitrogen Gas
Especially suitable for the protection of small rooms up to 2m ³



RAPTOR nova

detexAr

T-REX

储能设备
自动灭火系统

Energy Storage Device

detexAr

电气柜 / 服务器机房 / 电气设备
Electrical Cabinet / Server Electrical / Electrical Equipment

10L/20L/50L

主要特点 Main Charateristics



工作温度： -50 ℃ 至 +65℃
Operating temperature: -50℃ to +65℃

5年-无需更换核心部件
No core parts needed to be replaced for 5 years.
——Structure is stable and durable.

RAPTOR nova

适用于所有电气柜
Applicable to all electrical cabinets

3L/4L/6L/10L/20L

FK-5-1-12

主要特点 Main Charateristics



工作温度：-30℃ 至 +80℃
Operating temperature: -30℃ to +80℃

10年-无需更换核心部件
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T-REX

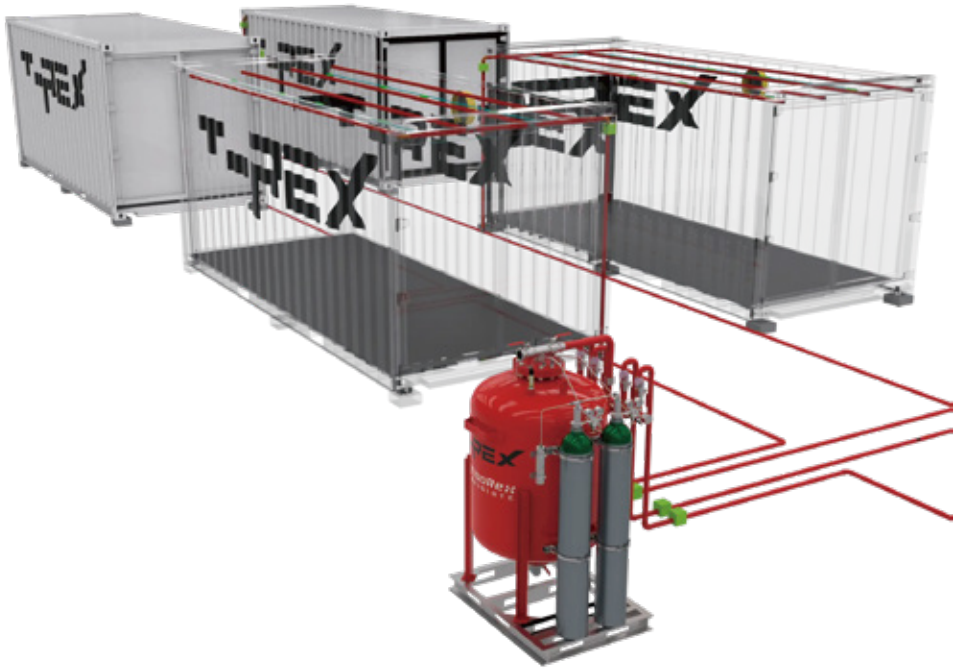
主要特点 Main Charateristics

可保护多达12个储能集装箱

惰性气体+Tiborex灭火剂双重抑制

Capable of protecting up to 12 containers.

Use Argon gas and Tiborex Liquid Extinguishing agent for dual suppression.



Technical Support

技术支持

01 技术培训
Technical Training

- 针对不同参加者的多层次培训；
- 一套体系化的经销商认证培训计划，用于对业务合作伙伴进行认证和授权。

- Multi-level technical training for different participates;
- A structured distributor accreditation training program to certify and authorized business partners.

02 专属支持
Dedicated Support

- 快速技术响应；
- 紧急情况协助处理。

- Quick technical response;
- Emergency parts supply availability.

03 赋能计划
Empowerment Program

- 定期会议及共同探讨；
- 技术支持以增加经销商信心。

- Regular meetings and joint discussion with distributors;
- Technology transfer to enhance distributor confidence.

Successful Applications
服务案例

北方股份 Inner Mongolia North Hauler Joint Stock Co., Ltd.









徐工 Xuzhou Construction Machinery Group





Successful Applications
服务案例

青岛中鸿 Qingdao Fambition Heavy Machinery Co., Ltd.





烟台兴业 Yantai Xingye Machinery Co., Ltd.




Successful Applications
服务案例

太原重工 Taiyuan Heavy Industry Co., Ltd.





三一重工 Sany Heavy Industry Co., Ltd.





Successful Applications
服务案例

中联 Zoomlion Heavy Industry Science & Technology Co., Ltd.





临工 Lingong Heavy Machinery Co., Ltd.





Successful Applications
服务案例

GHH GHH Group





山特维克 Sandvik







Successful Applications
服务案例

安佰拓 Epiroc






风电 Wind Power





Successful Applications
服务案例

皮带 Belt Conveyor





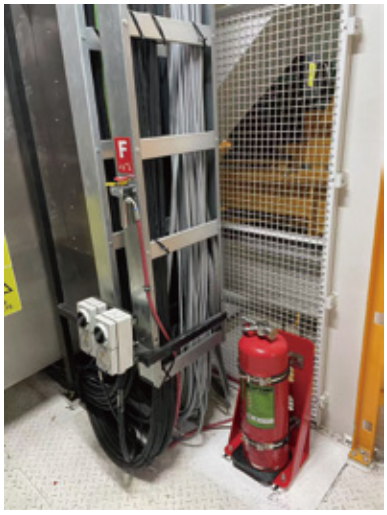
客车 Coach bus




Successful Applications
服务案例

电气柜 Electrical Cabinet





机场 Airport





Conclusion

结语

通过革命性的技术为每一个人的安全而设计、制造和创新消防产品。

成为世界上最以客户为中心，最环保的企业。

努力成为一个让每个人都感到自豪的公司。

To engineer and build innovative products through revolutionary technologies for the safety of everyone.
To be world's most customer-centric,environmentally friendly and endeavour to be a company everyone is proud to be with.



protecfire
German Engineering

普泰法尔(廊坊)消防科技有限公司

Protecfire (Langfang) Fire Systems
Technology Co., Ltd.

革命性自动灭火系统

Revolutionary Automatic Fire Suppression Systems

Protecfire Engineering Pte. Ltd.

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